

Engineer's Estimate - L Street Booster Pump Station Replacement

prepared by Epic Engineering as of 12/9/20

Part 1

Site Work

Site Work cost = \$30,100.00

Item	Description	Quantity	Unit	Cost/Unit	Cost
1	MOBILIZATION	1	LS	\$11,128.84	\$11,128.84
2	IMPORT ENGINEERED FILL	16	CY	\$20.70	\$331.20
3	IMPORT ROADBASE	13	CY	\$29.90	\$398.67
4	COATED CHAINLINK FENCE	180	LF	\$52.90	\$9,522.00
5	DEMO OF EXISTING BUILDING	1	LS	\$8,625.00	\$8,625.00

Utilities

Utilities cost = \$40,900.00

Item	Description	Quantity	Unit	Cost/Unit	Cost
6	3" ELECTRICAL CONDUIT	50	LF	\$20.70	\$1,035.00
7	12" PVC C-905 CUL. WATERLINE	100	LF	\$57.50	\$5,750.00
8	CUT IN 12" TEE	2	LS	\$5,980.00	\$11,960.00
9	12" TEE	2	EA	\$2,875.00	\$5,750.00
10	12" 90 BEND	4	EA	\$2,070.00	\$8,280.00
11	12" BFV	2	EA	\$4,025.00	\$8,050.00

Interior PVF

Interior PVF cost = \$108,900.00

Item	Description	Quantity	Unit	Cost/Unit	Cost
12	VERTICAL TURBINE PUMP	2	EA	\$20,010.00	\$40,020.00
13	HEAT EXCHANGER (AIR HANDLER)	1	EA	\$9,390.73	\$9,390.73
14	12" x 8" FABRICATED STEEL HEADER (L=10')	1	LS	\$6,875.00	\$6,875.00
15	12" x 6" FABRICATED STEEL HEADER (L=18')	1	LS	\$3,750.00	\$3,750.00
16	6" FL 90° BEND	2	EA	\$562.50	\$1,125.00
17	10" FL 90° BEND	2	EA	\$750.00	\$1,500.00

Item	Description	Quantity	Unit	Cost/Unit	Cost
18	12" MJ 90° BEND w/M.L.	1	EA	\$1,375.00	\$1,375.00
19	12" FL 90° BEND	1	EA	\$1,375.00	\$1,375.00
20	12" x 10" FL TEE	1	EA	\$2,000.00	\$2,000.00
21	12" x 10" FL x GE REDUCER	2	EA	\$2,062.50	\$4,125.00
22	10" FL GATE VALVE	2	EA	\$1,625.00	\$3,250.00
23	6" FL SLANTING DISC CHECK VALVE	2	EA	\$2,125.00	\$4,250.00
24	12" FL MAG METER	1	EA	\$10,625.00	\$10,625.00
25	2" COMBINATION AIR VAC VALVE	1	EA	\$1,250.00	\$1,250.00
26	6" GE SPOOL	2	EA	\$287.50	\$575.00
27	6" FL SPOOL	2	EA	\$287.50	\$575.00
28	8" FL SPOOL	2	EA	\$661.25	\$1,322.50
29	12" FL x GE SPOOL	2	EA	\$805.00	\$1,610.00
30	6" FL x GE ADAPTER	5	EA	\$460.00	\$2,300.00
31	10" FL x GE ADAPTER	5	EA	\$632.50	\$3,162.50
32	12" MJ LONG SLEEVE w/M.L.	3	EA	\$1,250.00	\$3,750.00
33	PRESSURE GAUGE TREE	3	LS	\$1,265.00	\$3,795.00
34	PIPE SUPPORTS (FLOOR)	3	EA	\$287.50	\$862.50

Structural/Architectural

Structural/Architectural cost = \$53,900.00

Item	Description	Quantity	Unit	Cost/Unit	Cost
35	RAIN GUTTERS	40	LF	\$17.25	\$690.00
36	DOUBLE DOOR 6'-4" X 7'-0"	1	EA	\$4,600.00	\$4,600.00
37	ASPHALT ROOFING	300	SF	\$6.61	\$1,983.75
38	FIRE EXTINGUISHER	1	EA	\$230.00	\$230.00
39	SIGNAGE	1	LS	\$2,000.00	\$2,000.00
40	CONCRETE MASONRY	600	SF	\$22.50	\$13,500.00
41	PAINTING/COATINGS	1	LS	\$8,041.95	\$8,041.95
42	CONCRETE FOOTING/FOUNDATION	10	CY	\$575.00	\$5,750.00
43	CONCRETE FLOOR SLAB	3	CY	\$575.00	\$1,725.00
44	SKYLIGHTS	2	EA	\$2,990.00	\$5,980.00
45	WOOD FRAMED ROOF	216	SF	\$23.00	\$4,968.00
46	EXTERIOR SOFFIT	80	SF	\$11.50	\$920.00

Item	Description	Quantity	Unit	Cost/Unit	Cost
47	INTERIOR GYPSUM BOARD	840	SF	\$2.01	\$1,690.50
48	SOUND BOARD	600	SF	\$2.88	\$1,725.00

Part 1 Subtotal =\$233,800.00

Electrical

Electrical cost = \$58,500.00

Item	Description	Quantity	Unit	Cost/Unit	Cost
49	ELECTRICAL (25%)	1	L.S.	\$58,500.00	\$58,500.00

Part 1 + Electrical Subtotal =\$292,300.00

Contingency

Item	Description	Quantity	Unit	Cost/Unit	Cost
50	CONTINGENCY (10%)	1	L.S.	\$29,300.00	\$29,300.00

Part 1 + Electrical + Contingency Total = \$321,600.00

Engineering & Management

Item	Description	Quantity	Unit	Cost/Unit	Cost
1	ENGINEERING DESIGN (18%)	1	LS	\$57,888.00	\$57,888.00
2	CONSTRUCTION MANAGEMENT SERVICES (7%)	1	LS	\$20,904.00	\$20,904.00

Part 1 + Electrical + Contingency + Engineering & Management Subtotal = \$78,792.00

Grand Total = \$400,392.00

Grand Total Rounded = \$400,400.00